



BATS Exchange (BYX/BZX) Technical Specification Changes Effective Saturday, October 23, 2010

BATS will be implementing various changes to both its order entry and proprietary data feed specifications in support of the upcoming changes to Regulation SHO. In conjunction with these updates, additional market data message types have been introduced to support dissemination of additional messages of interest (i.e. halt messages).

FIX Specification Update

The BATS US Equities FIX Specifications have been updated to note that **effective Wednesday, November 10, 2010**, Tag 54=6 (*Sell Short Exempt*) will begin to be accepted in production. Any attempts to send this value prior to the effect date will result in a FIX reject.

Summary of Market Data Specification Changes

Changes to the BATS market data specifications will be **in production effective Saturday, October 23, 2010**. While most of these updates involve introduction of new message types which Members may choose to support on their own schedule, it is important to note that users of TOP will be required to perform a hard cut to the new specification on this effective date given the protocol relies on a fixed messaging format. Similarly, users of FAST PITCH will be required to implement a new FAST PITCH decoder prior to the effective date. A summary of changes specific to each protocol follows.

Multicast PITCH

A *Trading Status Message* (*MessageType = 0x31*) has been added to indicate the current trading status of a security. This new message will be used to support new Halt Status and Reg SHO Action messages. Additionally, a few bytes have been added to be reserved for future use. Members using *Spin Servers* will also need to be prepared to receive Trading Status Messages during a spin. Users of Multicast PITCH will need to be prepared to accept these changes by Saturday, October 23, 2010.

TCP PITCH

A *Trading Status Message* (*MessageType = H*) has been added to indicate the current trading status of a security. This new message will be used to support new Halt Status and Reg SHO Action messages. Additionally, a few bytes have been added to be reserved for future use. Users of TCP PITCH will need to be prepared to accept these new messages by Saturday, October 23, 2010.

TCP FAST PITCH

Members using TCP FAST PITCH must use FAST PITCH decoder v1.3 or later to support new Trading Status Messages. The latest FAST PITCH decoder is available for download and use effective immediately at <http://www.batstrading.com/resources/membership/batsfastpitch.zip>. It must be implemented no later than Saturday, October 23, 2010 and as the decoder is backwards compatible it may be implemented at any time prior to the effective date.

TOP

As TOP is a fixed length protocol, **changes being introduced will require users of TOP to perform a hard cut effective Saturday, October 23, 2010**.

A *Trading Status Message* (*MessageType* = *t*) will be added to indicate the current trading status of a security. This new message will be used to support new Halt Status and Reg SHO Action messages. Additionally, a few bytes have been added to be reserved for future use.

The *Expanded Spin Message* (*MessageType* = "s") will be expanded to include support for the new Trading Status Messages. The extension of this particular message is the reason a hard cut will be required.

The final change to the TOP protocol will be the elimination of the *Short Spin Message* (*MessageType* = "S"). Users of TOP can expect to see no further messages of this *MessageType* on the effective date.

Last Sale

The only modification to the Last Sale feed specification is the introduction of the *Trade Break Message* (*MessageType* = *B*). Users of the Last Sale feed will need to be prepared to accept these new messages by Saturday, October 23, 2010.

Testing Opportunity

All defined changes will be available for test in the BATS Certification environment starting Monday, October 18, 2010.

For More Information

Please refer to the appropriate technical specification:

- [BATS US Equities/Options Multicast PITCH Specification](#)
- [BATS US Equities TCP PITCH Specification](#)
- [BATS US Equities TCP FAST PITCH Specification](#)
- [BATS US Equities TOP Specification \(effective 10/23/10\)](#)
- [BATS US Equities Last Sale Specification](#)
- [BATS US Equities \(BYX\) FIX Specification](#)
- [BATS US Equities \(BZX\) FIX Specification](#)

Additionally, please contact the BATS Trade Desk or your Director of Sales with any questions.

BATS Trade Desk

913.815.7001

tradedesk@batstrading.com

www.batstrading.com/alerts